## SEQUENCE LISTING

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<110> CASTERMAN, CECILE
      HAMERS, RAYMOND
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<130> 04958.0008-07000
<140> 09/293,769
<141> 1999-04-19
<150> 08/471,284
<151> 1995-06-06
<150> 07/106,944
<151> 1987-10-15
<150> EPO 92402326.0
<151> 1992-08-21
<150> EPO 93401310.3
<151> 1993-05-21
<160> 130
<170> PatentIn Ver. 2.1
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Gly Gly Ser Glu Gln Gly Gly Ser Leu Arg Leu Ser Cys Ala Ile
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Phe Ser Pro Ser Ser
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Trp Gly Gln Gly Thr Gln Val Thr Ala Ser Ser
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Arg Gly Gln Gly Thr Gln Val Thr Val Ser Leu
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Ala Leu Gln Pro Gly Gly Tyr Cys Gly Tyr Gly Xaa Cys Leu Trp Gly
Gln Gly Thr Gln Val Thr Val Ser Ser
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Val Ser Leu Met Asp Arg Ile Ser Gln His Gly Cys Arg Gly Gln Gly
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Thr Gln Val Thr Val Ser Leu
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<213> Camelus sp.
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<400> 15
Val Pro Ala His Leu Gly Pro Gly Ala Ile Leu Asp Leu Lys Lys Tyr
Lys Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
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Phe Cys Tyr Ser Thr Ala Gly Asp Gly Gly Ser Gly Glu Met Tyr Trp
Gly Gln Gly Thr Gln Val Thr Val Ser Ser
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<213> Camelus sp.
<400> 17
Glu Leu Ser Gly Gly Ser Cys Glu Leu Pro Leu Leu Phe Asp Tyr Trp
                                                          15
Gly Gln Gly Thr Gln Val Thr Val Ser Ser
             20
<210> 18
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<213> Camelus sp.
<400> 18
Asp Trp Lys Tyr Trp Thr Cys Gly Ala Gln Thr Gly Gly Tyr Phe Gly
Gln Trp Gly Gln Gly Ala Gln Val Thr Val Ser Ser
             20
                                  25
<210> 19
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<213> Camelus sp.
<400> 19
Arg Leu Thr Glu Met Gly Ala Cys Asp Ala Arg Trp Ala Thr Leu Ala
Thr Arg Thr Phe Ala Tyr Asn Tyr Trp Gly Gln Gly Thr Gln Val Thr
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Val Ser Ser
          35
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Gln Lys Lys Asp Arg Thr Arg Trp Ala Glu Pro Arg Glu Trp Asn Asn
Trp Gly Gln Gly Thr Gln Val Thr Ala Ser Ser
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Gly Ser Arg Phe Ser Ser Pro Val Gly Ser Thr Ser Arg Leu Glu Ser
Ser Asp Tyr Asn Tyr Trp Gly Gln Gly Thr Gln Val Thr Ala Ser Ser
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Ala Asp Pro Ser Ile Tyr Tyr Ser Ile Leu Xaa Ile Glu Tyr Lys Tyr
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
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<212> PRT
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<400> 23
Asp Ser Pro Cys Tyr Met Pro Thr Met Pro Ala Pro Pro Ile Arg Asp
                  5
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Ser Phe Gly Trp Asp Asp Phe Gly Gln Gly Thr Gln Val Thr Val Ser
                                 25
Ser
<210> 24
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Thr Ser Ser Phe Tyr Trp Tyr Cys Thr Thr Ala Pro Tyr Asn Val Trp
                                     10
Gly Gln Gly Thr Gln Val Thr Val Ser Ser
             20
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<210> 25

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<212> PRT

<213> Camelus sp.

<400> 25

Thr Glu Ile Glu Trp Tyr Gly Cys Asn Leu Arg Thr Thr Phe Thr Arg

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser 20

<210> 26

<211> 33

<212> PRT

<213> Camelus sp.

<400> 26

Asn Gln Leu Ala Gly Gly Trp Tyr Leu Asp Pro Asn Tyr Trp Leu Ser

Val Gly Ala Tyr Ala Ile Trp Gly Gln Gly Thr His Val Thr Val Ser

Ser

<210> 27

<211> 35

<212> PRT

<213> Camelus sp.

Arg Leu Thr Glu Met Gly Ala Cys Asp Ala Arg Trp Ala Thr Leu Ala

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Thr Arg Thr Phe Ala Tyr Asn Tyr Trp Gly Arg Gly Thr Gln Val Thr
                                  25
Val Ser Ser
         35
<210> 28
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Asp Gly Trp Thr Arg Lys Glu Gly Gly Ile Gly Leu Pro Trp Ser Val
Gln Cys Glu Asp Gly Tyr Asn Tyr Trp Gly Gln Gly Thr Gln Val Thr
Val Ser Ser
         35
<210> 29
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Asp Ser Tyr Pro Cys His Leu Leu Asp Val Trp Gly Gln Gly Thr Gln
 1
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Val Thr Val Ser Ser
             20
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Val Glu Tyr Pro Ile Ala Asp Met Cys Ser Arg Tyr Gly Asp Pro Gly
Thr Gln Val Thr Val Ser Ser
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<400> 31
Ala Pro Glu Leu Leu Gly Gly Pro Thr Val Phe Ile Phe Pro Pro Lys
Pro Lys Asp Val Leu Ser Ile Thr Leu Thr Pro
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Ala Pro Glu Leu Pro Gly Gly Pro Ser Val Phe Val Phe Pro Thr Lys
Pro Lys Asp Val Leu Ser Ile Ser Gly Arg Pro
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Ala Pro Glu Leu Pro Gly Gly Pro Ser Val Phe Val Phe Pro Pro Lys
  1
                  5
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Pro Lys Asp Val Leu Ser Ile Ser Gly Arg Pro
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<400> 34
Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Ile Phe Pro Pro Lys
Pro Lys Asp Val Leu Ser Ile Ser Gly Arg Pro
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<210> 35
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Gly Gln Thr Arg Glu Pro Gln Val Tyr Thr Leu Ala
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<400> 36
Gly Gln Thr Arg Glu Pro Gln Val Tyr Thr Leu Ala Pro Xaa Arg Leu
Glu Leu
<210> 37
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Gly Thr Asn Glu Val Cys Lys Cys Pro Lys Cys Pro
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<210> 38
<211> 35
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Lama sp.
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<400> 38
Glu Pro Lys Ile Pro Gln Pro Gln Pro Lys Pro Gln Pro Gln
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Lys Cys Pro
<210> 39
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Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Val Phe Pro Pro Lys
Pro Lys Asp Val Leu Ser Ile Ser Gly Xaa Pro Lys
             20
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Ala Pro Glu Leu Pro Gly Gly Pro Ser Val Phe Val Phe Pro Thr Lys
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Pro Lys Asp Val Leu Ser Ile Ser Gly Arg Pro Lys
            20
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<210> 41

<211> 28

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<213> Unknown Organism

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<223> Description of Unknown Organism: Camelus sp. or
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<400> 41
Ala Pro Glu Leu Pro Gly Gly Pro Ser Val Phe Val Phe Pro Pro Lys
Pro Lys Asp Val Leu Ser Ile Ser Gly Arg Pro Lys
<210> 42
<211> 28
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<223> Description of Unknown Organism: Camelus sp. or
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Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Ile Phe Pro Pro Lys
Pro Lys Asp Val Leu Ser Ile Ser Gly Arg Pro Lys
             20
                                 25
<210> 43
<211> 31
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Val Thr Val Ser Ser Gly Thr Asn Glu Val Cys Lys Cys Pro Lys Cys
  1
            . 5
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Pro Ala Pro Glu Leu Pro Gly Gly Pro Ser Val Phe Val Phe Pro
             20
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     Lama sp.
Val Thr Val Ser Ser Glu Pro Lys Ile Pro Gln Pro Gln Pro Lys Pro
                  5
                                     10
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Gln Pro Gln Pro Gln Pro Lys Pro Gln Pro Lys Pro Glu Pro
Glu Cys Thr Cys Pro Lys Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro
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Ser Val Phe Ile Phe Pro
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<400> 45
Ala Pro Glu Leu Pro Gly Gly Pro Ser Val Phe Val Phe Pro
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<210> 46
<211> 14
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<223> Description of Unknown Organism: Camelus sp. or
      Lama sp.
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Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Ile Phe Pro
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<210> 47
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cgccatcaag gtaacagttg a
                                                                   21
<210> 48
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<223> Description of Artificial Sequence: Primer
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<400> 48 aggtccagct gctcgagtct gg	22
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<210> 51 <211> 28 <212> DNA <213> Artificial Sequence	
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<210> 53 <211> 30 <212> DNA <213> Artificial Sequence	

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<400> 53
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aattctatta gtgatggtga tggtggtgca
<210> 54
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Leu Pro Gly Gly Pro Ser Val Phe Val Phe Pro Pro Lys Pro Lys Asp
Val Leu Ser Ile Xaa Gly Xaa Pro Lys Gly Gln Thr Arg Glu Pro Gln
             20
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Val Tyr Thr Leu Ala Pro Xaa Arg Leu Glu Leu
         35
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<210> 55
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<213> Camelus dromedarius
<400> 55
Leu Pro Gly Gly Pro Ser Val Phe Val Phe Pro Thr Lys Pro Lys Asp
                                     10
Val Leu Ser Ile Ser Gly Arg Pro
             20
<210> 56
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<213> Camelus dromedarius
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Leu Pro Gly Gly Pro Ser Val Phe Val Phe Pro Pro Lys Pro Lys Asp
Val Leu Ser Ile Ser Gly Arg Pro
<210> 57
<211> 24
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<213> Camelus dromedarius
<400> 57
Leu Leu Gly Gly Pro Ser Val Phe Ile Phe Pro Pro Lys Pro Lys Asp
Val Leu Ser Ile Ser Gly Arg Pro
             20
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Asp Val Gln Leu Val Ala Ser Gly Gly Gly Ser Val Gly Ala Gly Gly
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Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Asp Ser Phe Ser
<210> 59
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<213> Camelus dromedarius
Trp Gly Arg Gly Thr Gln Val Thr Val Ser Ser
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<213> Camelus dromedarius
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Trp Gly Gln Gly Thr His Val Thr Val Ser Ser
                 5
<210> 61
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<213> Camelus dromedarius
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<400> 61
Trp Gly Gln Gly Ile Gln Val Thr Ala Ser Ser
<210> 62
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Ala Leu Gln Pro Gly Gly Tyr Cys Gly Tyr Gly Xaa Cys Leu
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Val Ser Leu Met Asp Arg Ile Ser Gln His Gly Cys
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<212> PRT
<213> Camelus dromedarius
<400> 64
Val Pro Ala His Leu Gly Pro Gly Ala Ile Leu Asp Leu Lys Lys Tyr
                 5
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Lys Tyr
<210> 65
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<212> PRT
<213> Camelus bactrianus
<400> 65
Phe Cys Tyr Ser Thr Ala Gly Asp Gly Gly Ser Gly Glu Met Tyr
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<210> 66
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<213> Camelus dromedarius
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Glu Leu Ser Gly Gly Ser Cys Glu Leu Pro Leu Leu Phe Asp Tyr
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Asp Trp Lys Tyr Trp Thr Cys Gly Ala Gln Thr Gly Gly Tyr Phe Gly
Gln
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Arg Leu Thr Glu Met Gly Ala Cys Asp Ala Arg Trp Ala Thr Leu Ala
Thr Arg Thr Phe Ala Tyr Asn Tyr
             20
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<211> 16
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<400> 69
Gln Lys Lys Asp Arg Thr Arg Trp Ala Glu Pro Arg Glu Trp Asn Asn
                  5
<210> 70
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Gly Ser Arg Phe Ser Ser Pro Val Gly Ser Thr Ser Arg Leu Glu Ser
  1.
Ser Asp Tyr Asn Tyr
             20
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<400> 71
Ala Asp Pro Ser Ile Tyr Tyr Ser Ile Leu Xaa Ile Glu Tyr Lys Tyr
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<210> 72
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<400> 72
Asp Ser Pro Cys Tyr Met Pro Thr Met Pro Ala Pro Pro Ile Arg Asp
                                      10
Ser Phe Gly Trp Asp Asp
             20
<210> 73
<211> 15
<212> PRT
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      Lama sp.
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<400> 73
Thr Ser Ser Phe Tyr Trp Tyr Cys Thr Thr Ala Pro Tyr Asn Val
                                      10
<210> 74
<211> 16
<212> PRT
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<400> 74
Thr Glu Ile Glu Trp Tyr Gly Cys Asn Leu Arg Thr Thr Phe Thr Arg
<210> 75
<211> 22
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<400> 75
Asn Gln Leu Ala Gly Gly Trp Tyr Leu Asp Pro Asn Tyr Trp Leu Ser
                                      10
Val Gly Ala Tyr Ala Ile
             20
<210> 76
<211> 24
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<400> 76
Arg Leu Thr Glu Met Gly Ala Cys Asp Ala Arg Trp Ala Thr Leu Ala
Thr Arg Thr Phe Ala Tyr Asn Tyr
<210> 77
<211> 24
<212> PRT
<213> Unknown Organism
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      Lama sp.
<400> 77
Asp Gly Trp Thr Arg Lys Glu Gly Gly Ile Gly Leu Pro Trp Ser Val
Gln Cys Glu Asp Gly Tyr Asn Tyr
             20
<210> 78
<211> 10
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<400> 78
Asp Ser Tyr Pro Cys His Leu Leu Asp Val
<210> 79
<211> 12
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     Lama sp.
<400> 79
Val Glu Tyr Pro Ile Ala Asp Met Cys Ser Arg Tyr
<210> 80
<211> 26
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     Lama sp.
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
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<210> 81
<211> 14
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      Lama sp.
<400> 81
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
<210> 82
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<400> 82
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
                                                      30
<210> 83
<211> 37
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      Lama sp.
<400> 83
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Thr Asn Glu Val
                  5
                                      10
                                                          15
Cys Lys Cys Pro Lys Cys Pro Ala Pro Glu Leu Pro Gly Gly Pro Ser
                                  25
Val Phe Val Phe Pro
         35
<210> 84
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<400> 84
Gly Gly Ser Val Gln Gly Gly Ser Leu Arg Leu Ser Cys Ala Ile
Ser Gly
<210> 85
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Trp Phe Arg Glu Gly Pro Gly Lys Glu Arg Glu Gly Ile Ala
<210> 86
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      Lama sp.
<400> 86
Arg Phe Thr Ile Ser Gln Asp Ser Thr Leu Lys Thr Met Tyr Leu Leu
                  5
1
                                     10
                                                         15
Met Asn Asn Leu Lys Pro Glu Asp Thr Gly Thr Tyr Tyr Cys Ala Ala
             20
                                 25
<210> 87
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<400> 87
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser Glu Pro Lys Ile Pro
Gln Pro Gln Pro Lys Pro Gln Pro Gln Pro Gln Pro Lys Pro
Gln Pro Lys Pro Glu Pro Glu Cys Thr Cys Pro Lys Cys Pro Ala Pro
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Glu Leu Leu Gly Gly Pro Ser Val Phe Ile Phe Pro
<210> 88
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<400> 88
Gly Gly Ser Val Gln Ala Gly Gly Ser Leu Arg Leu Ser Cys Ala Ser
Ser Ser
<210> 89
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Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ser
<210> 90
<211> 32
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<400> 90
Arg Phe Thr Ile Ser Gln Asp Ser Ala Lys Asn Thr Val Tyr Leu Gln
Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Met Tyr Tyr Cys Lys Ile
            20
<210> 91
<211> 37
<212> PRT
<213> Camelus sp.
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<400> 91
 Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Thr Asn Glu Val
Cys Lys Cys Pro Lys Cys Pro Ala Pro Glu Leu Pro Gly Gly Pro Ser
                                  25
Val Phe Val Phe Pro
         35
<210> 92
<211> 399
<212> DNA
<213> Camelus sp.
<220>
<221> modified_base
<222> (314)
<223> a, t, c, g, other or unknown
<400> 92
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ctggatacag taattgtccc ctcacttgga gctggtatcg ccagtttcca ggaacggagc 120
gcgagttcgt ctccagtatg gatccggatg gaaataccaa gtacacatac tccgtgaagg 180
gccgcttcac catgtcccga ggcagcaccg agtacacagt atttctgcaa atggacaatc 240
tgaaacctga ggacacggcg atgtattact gtaaaacagc cctacaacct gggggttatt 300
gtgggtatgg gtantgcctc tggggccagg ggacccaggt caccgtctcc tcactagtta 360
cccgtacgac gttccggact acggttctta atagaattc
                                                                   399
<210> 93
<211> 391
<212> DNA
<213> Camelus sp.
<400> 93
ctcgagtctg ggggaggctc ggtgcaggct ggagggtctc tqaqactctc ctqtqcatct 60
tettetaaat atatgeettg cacetaegae atgacetggt acegecagge teeaggeaag 120
gagcgcgaat ttgtctcaag tataaatatt gatggtaaga caacatacgc agactccgtg 180
aagggccgat tcaccatctc ccaagacagc gccaagaaca cggtgtatct gcagatgaac 240
agcctgaaac ctgaggacac ggcgatgtat tactgtaaaa tagattcgta cccgtgccat 300
ctccttgatg tctggggcca ggggacccag gtcaccgtct cctcactagt tacccgtacg 360
agcttccgga ctacggttct taatagaatt c
                                                                   391
<210> 94
<211> 443
<212> DNA
<213> Camelus sp.
<400> 94
caggtgaaac tgctcgagtc tggaggaggc tcggtgcaga ctggaggatc tctgagactc 60
teetgtgcag tetetggatt eteetttagt accagttgta tggeetggtt eegecagget 120
tcaggaaagc agcgtgaggg ggtcgcagcc attaatagtg gcggtggtag gacatactac 180
aacacatatg tcgccgagtc cgtgaagggc cgattcgcca tctcccaaga caacqccaag 240
accacggtat atcttgatat gaacaaccta acccctgaag acacggctac gtattactgt 300
gcggcggtcc cagcccactt gggacctggc gccattcttg atttgaaaaa qtataaqtac 360
```

```
tggggccagg ggacccaggt caccgtctcc tcactagcta qttacccgta cgacgttccg 420
 gactacggtt cttaatagaa ttc
<210> 95
<211> 433
<212> DNA
<213> Camelus sp.
<400> 95
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tetggetete ceagtagtae ttattgeetg ggetggttee geeaggetee agggagggag 120
cgtgaggggg tcacagcgat taacactgat ggcagtatca tatacgcagc cgactccgtg 180
aagggccgat tcaccatctc ccaagacacc gccaaggaaa cggtacatct ccagatgaac 240
aacctgcaac ctgaggatac ggccacctat tactgcgcgg caagactgac ggagatgggg 300
gcttgtgatg cgagatgggc gaccttagcg acaaggacgt ttgcgtataa ctactggggc 360
cgggggaccc aggtcaccgt ctcctcacta gttacccgta cgacgttccg gactacggtt 420
cttaatagaa ttc
<210> 96
<211> 449
<212> DNA
<213> Camelus sp.
<400> 96
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tcctgtaatg tctctggctc tcccagtagt acttattgcc tgggctggtt ccgccaggct 120
ccagggaagg agcgtgaggg ggtcacagcg attaacactg atggcagtgt catatacgca 180
gccgactccg tgaagggccg attcaccatc tcccaagaca ccgccaagaa aacggtatat 240
ctccagatga acaacctgca acctgaggat acggccacct attactgcgc ggcaagactg 300
acggagatgg gggcttgtga tgcgagatgg gcgaccttag cgacaaggac gtttgcgtat 360
aactactggg gccgggggac ccaggtcacc gtctcctcac tagctagtta cccgtacgac 420
gttccggact acggttctta atagaattc
                                                                   449
<210> 97
<211> 424
<212> DNA
<213> Camelus sp.
<400> 97
ctcgagtctg gaggaggctc ggcgcaggct ggaggatctc tgagactctc ctgtgcagcc 60
cacgggattc cgctcaatgg ttactacatc gcctggttcc gtcaggctcc tgggaagggg 120
cgtgaggggg tcgcaacaat taatggtggt cgcgacgtca catactacgc cgactccgtg 180
acgggccgat ttaccatctc ccgagacagc cccaagaata cggtgtatct gcagatgaac 240
agcctgaaac ctgaggacac ggccatctac ttctgtgcag caggctcgcg tttttctagt 300
cctgttggga gcacttctag actcgaaagt agcgactata actattgggg ccaggggatc 360
caggicaccg tcaccicact agitacccgi acgacgitcc ggactacggi tcitaataga 420
attc
                                                                   424
<210> 98
<211> 415
<212> DNA
<213> Camelus sp.
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totgactaca coatcactga ttattgcatg qcctgqttcc qccaggctcc agggaaggag 120
cqtqaattgg tcgcagcgat tcaagttgtc cgtagtgata ctcgcctcac agactacgcc 180
gactccgtga agggacgatt caccatctcc caaggcaaca ccaagaacac agtgaatctg 240
caaatgaaca gcctgacacc tgaggacacg gccatctaca gttgtgcggc aaccagtagt 300
ttttactqqt actgcaccac ggcgccttat aacgtctgqq gtcaggggac ccaggtcacc 360
qtctcctcac tagttacccg tacgacgttc cggactacgg ttcttaatag aattc
<210> 99
<211> 406
<212> DNA
<213> Camelus sp.
<400> 99
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tctggataca cgtacggtag cttctgtatg ggctggttcc gcgagggtcc aggcaaggaa 120
cgtgagggga tcgcaactat tcttaatggt ggtactaaca catactatgc cgactcggtg 180
aagggccgat tcaccatctc ccaagacagc acgttgaaga cgatgtatct gctaatgaac 240
aacctqaaac ctqaaqacac qqqcacctat tactqtqctq caqaactaaq tqqtqqtaqt 300
tgtgaattgc ctttgctatt tgactactgg ggccagggca cccaggtcac cgtctcctca 360
ctagttaccc gtacgacgtt ccggactacg gttcttaata gaattc
                                                                   406
<210> 100
<211> 427
<212> DNA
<213> Camelus sp.
<400> 100
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tetggattee cetatagtae ettetgtetg gggtggttee geeaggetee agggaaggag 120
cgtgaggggg tcgcgggtat taatagtgca ggaggtaata cttactatgc cgacgccgtg 180
aagggccgat tcaccatctc ccaagggaat gccaagaata cggtgtttct gcaaatggat 240
aacttgaaac ctgaggacac ggccatctat tactgcgcgg cggatagtcc atgttacatg 300
ccgactatgc ccgctcccc gatacgagac agttttggct gggatgattt tggccagggg 360
accoaggica cogictocic actagitaco ogiacgacgi tocoggaciac ggitotiaat 420
                                                                   427
agaattc
<210> 101
<211> 409
<212> DNA
<213> Camelus sp.
<400> 101
ctcgagtcag ggggaggctc ggtacaggtt ggagggtctc tgagactctc ctgtgtagcc 60
tetacteaca cegacagtag cacetgtata ggetggttee gecaggetee agggaaqqaq 120
cgcgaggggg tcgcaagtat atattttggt gatggtggta cgaattatcg cgactccgtg 180
aagggccgat tcaccatctc ccaactcaac qcccagaaca caqtgtatct qcaaatgaac 240
agcctgaaac ctgaggacag cgccatgtac tactgtgcaa tcactgaaat tgagtggtat 300
gggtgcaatt taaggactac ttttactcgc tggggccagg ggacccaggt caccqtctcc 360
tcactagtta cccgtacgac gttccggact acggttctta atagaattc
                                                                  409
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<210> 102 <211> 445

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<212> DNA
 <213> Camelus sp.
 <400> 102
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 tctggattga cttttgatga ttctgacgtg gggtggtacc gccaggctcc aggggatgag 120
 tgcaaattgg tctcaggtat tctgagtgat ggtactccat atacaaagag tggagactat 180
 gctgagtctg tgaggggccg ggttaccatc tccagagaca acgccaagaa catgatatac 240
 cttcaaatga acgacctgaa acctgaggac acggccatgt attactgcgc ggtagatggt 300
 tggacccgga aggaaggggg aatcgggtta ccctggtcgg tccaatgtga agatggttat 360
 aactattggg gccaggggac ccaggtcacc gtctcctcac tagttacccg tacgacgttc 420
 cggactacgg ttcttaatag aattc
<210> 103
<211> 394
<212> DNA
<213> Camelus sp.
<400> 103
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tctggattca atttcgaaac ttctcgtatg gcgtggtacc gccagactcc aggaaatgtg 120
tgtgagttgg tctcaagtat ttacagtgat ggcaaaacat actacgtcga ccgcatgaag 180
ggccgattca ccatttctag agagaatgcc aagaatacat tgtatctaca actgagcggc 240
ctcaaacctg aggacacggc catgtattac tgtgcgccgg ttgaatatcc tattgcagac 300
atgtgttcga gatacggcga cccggggacc caggtcaccg tctcctcact agttacccgt 360
acgacgaacc ggactacggt tcttaataga attc
<210> 104
<211> 433
<212> DNA
<213> Camelus sp.
<400> 104
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tctggaggta ccccagatcg tgttcctaaa tctttggcct ggttccgcca ggctccagag 120
aaggagcgcg aggggatcgc agttctttcg actaaggatg gtaagacatt ctatgccgac 180
tccgtgaagg gccgattcac catcttctta gataatgaca agaccacttt ctccttacaa 240
cttgatcgac tgaacccgga ggacactgcc gactactact gcgctgcaaa tcaattagct 300
ggtggctggt atttggaccc gaattactgg ctctctgtgg gtgcatatgc catctggggc 360
caggggaccc aggtcaccgt ctcctcacta gttacccgta cgacgttccg gactacggtt 420
cttaatagaa ttc
                                                                   433
<210> 105
<211> 416
<212> DNA
<213> Camelus sp.
<400> 105
caggtgaaac tgctcgagtc tgggggaggc tcggtgcagg ctggggggtc tctgacactc 60
tcttgtgtat acaccaacga tactgggacc atgggatggt ttcgccaggc tccagggaaa 120
gagtgcgaaa gggtcgcgca tattacgcct gatggtatga ccttcattga tgaacccgtg 180
aaggggcgat tcacgatctc ccgagacaac gcccagaaaa cgttgtcttt gcgaatgaat 240
agtctgaggc ctgaggacac ggccgtgtat tactgtgcgg cagattggaa atactggact 300
tgtggtgccc agactggagg atacttcgga cagtggggtc agggggccca ggtcaccgtc 360
tecteactag etagttacce gtacgaegtt eeggaetaeg gttettaata gaatte
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```
<210> 106
<211> 361
<212> DNA
<213> Camelus sp.
<400> 106
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tctggggcca cctacagtga ctacagtatt ggatggatcc gccaggctcc agggaaggac 120
cgtgaagtag tcgcagccgc taatactggt gcgactagta aattctacgt cgactttgtg 180
aagggccgat tcaccatttc ccaagacaac qccaagaata cggtatatct qcaaatgagc 240
ttcctgaaac ctgaggacac ggccatctat tactgtgcgg cagcggaccc aagtatatat 300
tatagtatcc tccattgagt ataagtactg gggccagggg acccaggtca ccgtctcctc 360
<210> 107
<211> 354
<212> DNA
<213> Camelus sp.
<400> 107
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tctggatacg tatcctctat ggcctggttc cgccaggttc cagggcagga gcgcgagggg 120
gtcgcgtttg ttcaaacggc tgacaatagt gcattatatg gcgactccgt gaagggccga 180
ttcaccatct cccacgacaa cgccaagaac acgctgtatc tgcaaatgcg caacctgcaa 240
cctgacgaca ctggcgtgta ctactgtgcg gcccaaaaga aggatcgtac tagatgggcc 300
gagcctcgag aatggaacaa ctggggccag gggacccagg tcaccgtctc ctca
<210> 108
<211> 381
<212> DNA
<213> Camelus sp.
<400> 108
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gctggaggct ctctgagact ctcctgtaca gcctctggag acagtttcag tagatttgcc 120
atgtettggt teegeeagge teeagggaag gagtgegaat tggteteaag catteaaagt 180
aatggaagga caactgaggc cgattccgtg caaggccgat tcaccatctc ccgagacaat 240
tccaggaaca cagtgtatct gcaaatgaac agcctgaaac ccgaggacac ggccgtgtat 300
tactgtgggg cagtctccct aatggaccga atttcccaac atgggtgccg gggccaggga 360
acccaggica ccgictcctt a
                                                                   381
<210> 109
<211> 18
<212> PRT
<213> Camelus sp.
<400> 109
Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp
                                     10
                                                          15
Glu Leu
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<210> 110
<211> 18
<212> PRT
<213> Camelus sp.
<400> 110
Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu
Glu Met
<210> 111
<211> 18
<212> PRT
<213> Camelus sp.
<400> 111
Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu
                                     10
Glu Met
<210> 112
<211> 24
<212> PRT
<213> Homo sapiens
<400> 112
Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
                                     10
Thr Leu Met Ile Ser Arg Thr Pro
             20
<210> 113
<211> 23
<212> PRT
<213> Homo sapiens
<400> 113
Val Ala Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr
 1
                 5
Leu Met Ile Ser Arg Thr Pro
             20
<210> 114
<211> 24
<212> PRT
<213> Homo sapiens
<400> 114
Phe Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
                  5
                                    10
```

```
Thr Leu Met Ile Ser Arg Thr Pro
             20
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<210> 115 <211> 19 <212> PRT <213> Homo sapiens <400> 115 Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg

Asp Glu Leu

<210> 116 <211> 19 <212> PRT <213> Homo sapiens

<400> 116 Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg 10

Glu Glu Met

<210> 117 <211> 19 <212> PRT <213> Homo sapiens <400> 117

Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Gln 10

Glu Glu Met

<210> 118 <211> 30 <212> PRT <213> Mus sp. <400> 118

Glu Val Lys Leu Val Glu Ser Gly Gly Gly Leu Val Glu Pro Gly Gly

Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Thr Phe Ser 20 25

<210> 119 <211> 29 <212> PRT <213> Homo sapiens

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<400> 119
Glu Val Gln Leu Leu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser
Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser
<210> 120
<211> 11
<212> PRT
<213> Homo sapiens
<400> 120
Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
                5
<210> 121
<211> 11
<212> PRT
<213> Homo sapiens
<400> 121
Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
               5
1
<210> 122
<211> 11
<212> PRT
<213> Mus sp.
<400> 122
Trp Gly Gln Gly Thr Thr Leu Thr Val Ser Ser
1 5
<210> 123
<211> 11
<212> PRT
<213> Mus.sp.
<400> 123
Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ala
       5
<210> 124
<211> 11
<212> PRT
<213> Mus sp.
<400> 124
Trp Gly Ala Gly Thr Thr Val Thr Val Ser Ser
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<210> 125
<211> 21
<212> PRT
<213> Mus sp.
<400> 125
Asp Tyr Tyr Gly Ser Ser Tyr Phe Asp Val Trp Gly Ala Gly Thr Thr
Val Thr Val Ser Ser
<210> 126
<211> 67
<212> PRT
<213> Homo sapiens
<400> 126
Lys Val Asp Lys Arg Val Glu Leu Lys Thr Pro Leu Gly Asp Thr Thr
His Thr Cys Pro Arg Cys Pro Glu Pro Lys Cys Ser Asp Thr Pro Pro
                                 25
                                                      30
Pro Cys Pro Arg Cys Pro Glu Pro Lys Ser Cys Asp Thr Pro Pro Pro
Cys Pro Arg Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe
                                     . 60
Leu Phe Pro
 65
<210> 127
<211> 35
<212> PRT
<213> Homo sapiens
<400> 127
Lys Val Asp Lys Lys Ala Glu Pro Lys Ser Cys Asp Lys Thr His Thr
Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe
Leu Phe Pro
<210> 128
<211> 31
<212> PRT
<213> Homo sapiens
```

```
<400> 128
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Lys Val Lys Val Thr Val Glu Arg Lys Cys Cys Val Glu Cys Pro Pro 1 5 10 15

Cys Pro Ala Pro Pro Val Ala Gly Pro Ser Val Phe Leu Phe Pro 20 25 30

<210> 129

<211> 32

<212> PRT

<213> Homo sapiens

<400> 129

Lys Val Asp Lys Arg Val Glu Ser Lys Tyr Gly Pro Pro Cys Pro Ser 1 5 10 15

Cys Pro Ala Pro Glu Phe Leu Gly Gly Pro Ser Val Phe Leu Phe Pro 20 25 30

<210> 130

<211> 11

<212> PRT

<213> Homo sapiens

<400> 130

Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser 1 5 10